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SUBJECT: PROJECT RINGAROUND - COMPATABILITY OF EDGE FLASHING WITH MACHINE DOT READER

1. FOUR SAMPLES OF FILM WERE READ ON THE BINARY TIME READER TO DETERMINE IF EDGE FLASHING INTERFERES WITH THE READING OF THE BINARY.

2. THE FOLLOWING COMMENTS REFLECT THE RESULTS ACHIEVED:

A. DELTA NO. 1-A (SO-121) AND NO. 1-B (SO-271 DUPE) ACCEPTABLE FOR HAND REDUCTION. AT PRESENT WE DO NOT HAVE THE CAPABILITY OF MACHINE READING THE DATA BLOCK ON THIS SYSTEM.

B. "J" SYSTEM NO. 5-A (SO-121) AND NO. 5-B (SO-271 DUPE) ACCEPTABLE - MACHINE ACCURATELY READ THE TIME WORD.

3. IN ORDER TO CONDUCT A VALID TEST TO DETERMINE THE FEASIBILITY OF EDGE FLASHING AND ITS EFFECT ON THE BINARY TIME READER THE FOLLOWING MATERIALS ARE REQUIRED:

A. J SYSTEM

1. EDGE FLASHED ON BINARY SIDE (THROUGH ENTIRE DATA BLOCK).

2. BINARY EDGE NOT FLASHED.

B. J-3 SYSTEM

1. EDGE FLASHED ON BINARY SIDE (THROUGH ENTIRE DATA BLOCK).

2. B & W NEGATIVE REPRODUCTION FROM ABOVE (B-1).

3. B & W POSITIVE REPRODUCTION FROM (B-2).

4. BINARY EDGE NOT FLASHED.

5. B & W NEGATIVE REPRODUCTION FROM (B-4).

6. B & W POSITIVE REPRODUCTION FROM (B-5).

C. G-3 SYSTEM

1. EDGE FLASHED ON TIME TRACK EDGE.

2. TIME TRACK EDGE NOT FLASHED.

A MINIMUM OF SIX CONSECUTIVE FRAMES (EXCEPT C) ARE REQUIRED IN EACH CASE SO THE BINARY TIME READER CAN BE USED.

A SAMPLE OF EACH IS REQUIRED ON EMULSION SO-121, SO-180, KODACHROME II, AND SO-271 OR THE DUPING STOCK THAT THESE EMULSIONS WILL BE REPRODUCED ON.

IN ORDER TO DETERMINE THE MOST READABLE COMBINATION, SAMPLES EDGE FLASHED WITH CYAN, YELLOW, OR OTHER APPROPRIATE COLORS, WHICH PROVIDE GOOD SEPARATION OF DENSITIES, ARE ALSO REQUIRED.

D. TO INSURE VALID RESULTS, IT IS REQUIRED THAT ALL TEST MATERIAL BE PRODUCED BY THE ACTUAL CAMERA SYSTEM INVOLVED.

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